

Photometrics Pro

Luminaire Photometric Report

Filename: CP5 - Canopy Light - 5700 - 95W - IES

Manufacturer: SARIN Energy Solutions

Lamp Output: 1 lamp, rated Lumens/lamp: 11959.3

Max Candela: 3,946.7 at Horizontal: 0°, Vertical: 8°

Input Wattage: 95.21

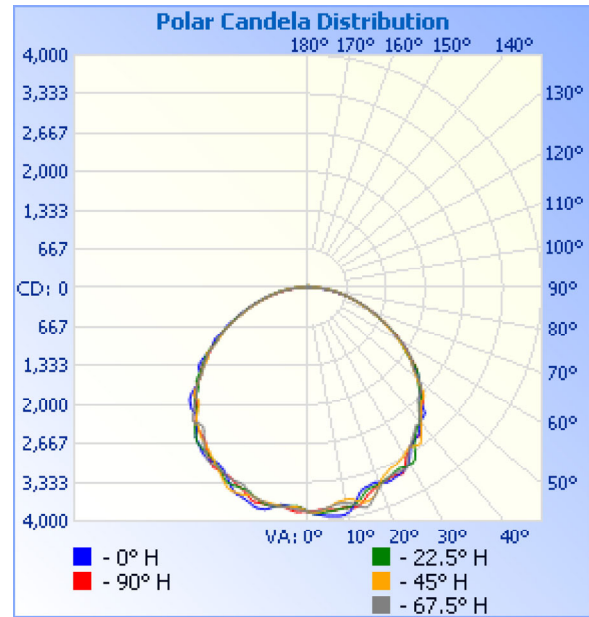
Luminous Opening: Rectangle w/Luminous Sides (L: 15", W: 15", H: 2.52")

Test: BLC2007037E-A

Test Lab: Belling Test Laboratory Co., LTD

Photometry : Type C

Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	197.4
Max Cd, 80 to <90 Deg:	598.0
	Lumens % Lamp
Downward Street Side:	5,857.9 49%
Downward House Side:	5,921.4 49.5%
Downward Total:	11,779.3 98.5%
Upward Street Side:	90.8 0.8%
Upward House Side:	89.2 0.7%
Upward Total:	180.0 1.5%
Total Lumens:	11,959.3 100%

Flood Summary

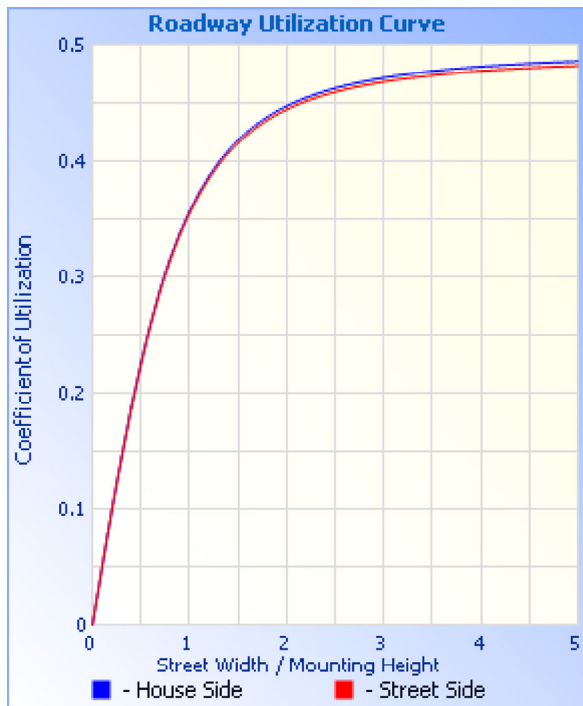
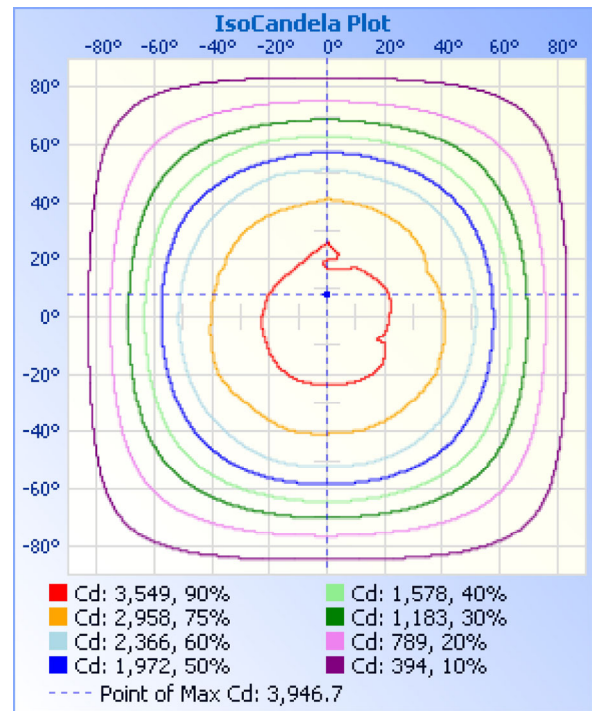
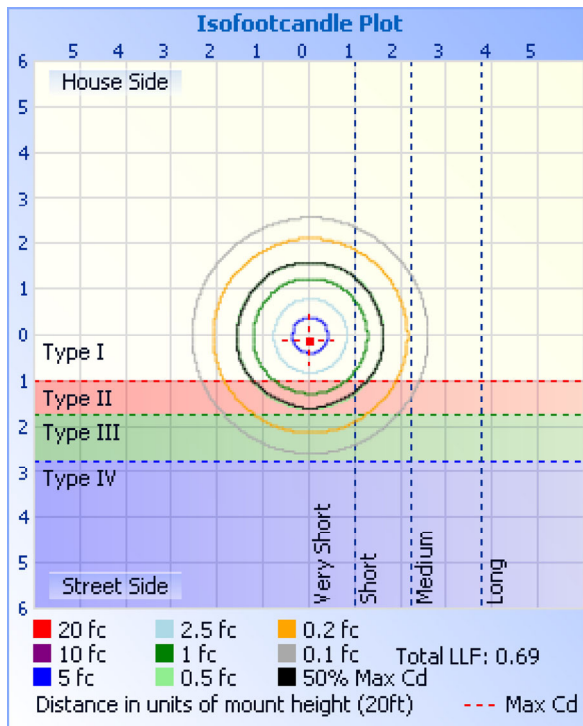
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.9%	11,587.9	166.3	167.3
Beam (50%):	72.2%	8,640.4	115	115.9
Total:	100%	11,954.3		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,026.8	25.3%	25.3%
0-40	5,020.3	42%	42%
0-60	9,045.2	75.6%	75.6%
60-90	2,733.1	22.9%	22.9%
70-100	1,348.2	11.3%	11.3%
90-120	115.2	1%	1%
0-90	11,778.3	98.5%	98.5%
90-180	180.0	1.5%	1.5%
0-180	11,958.3	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	362.8	3.0%	90-100	75.1	0.6%
10-20	1,050.3	8.8%	100-110	21.6	0.2%
20-30	1,613.8	13.5%	110-120	18.5	0.2%
30-40	1,993.5	16.7%	120-130	17.0	0.1%
40-50	2,106.8	17.6%	130-140	15.4	0.1%
50-60	1,918.1	16.0%	140-150	13.4	0.1%
60-70	1,460.0	12.2%	150-160	10.3	0.1%
70-80	886.4	7.4%	160-170	6.5	0.1%
80-90	386.7	3.2%	170-180	2.3	0%



Illuminance at a Distance

	Center Beam fc	Beam Width	
4.3R	207 fc	13.7 ft	13.5 ft
8.7R	50.7 fc	27.8 ft	27.3 ft
13.0R	22.7 fc	41.5 ft	40.8 ft
17.3R	12.8 fc	55.3 ft	54.3 ft
21.7R	8.14 fc	69.3 ft	68.2 ft
26.0R	5.67 fc	83.1 ft	81.7 ft

■ Vert. Spread: 115.9°
 ■ Horiz. Spread: 115.0°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.98	1.10	1.10	1.10	1.10	1.05	1.05	1.05	1.05	1.01	1.01	1.01	1.01	.98
1	1.08	1.03	.98	.94	1.05	1.00	.96	.82	.96	.92	.89	.89	.91	.89	.86	.86	.88	.85	.83	.83	.81
2	.98	.89	.82	.76	.95	.87	.80	.68	.83	.78	.73	.73	.80	.75	.71	.71	.76	.73	.69	.69	.67
3	.89	.78	.70	.63	.86	.76	.68	.58	.73	.66	.61	.61	.70	.64	.60	.60	.67	.62	.58	.58	.56

4	.81	.69	.60	.53	.79	.67	.59	.49	.65	.57	.52	.62	.56	.51	.60	.54	.50	.48
5	.75	.61	.52	.45	.72	.60	.52	.43	.58	.50	.44	.56	.49	.44	.54	.48	.43	.41
6	.69	.55	.46	.39	.67	.54	.46	.38	.52	.44	.39	.50	.43	.38	.49	.43	.38	.36
7	.64	.50	.41	.35	.62	.49	.41	.33	.47	.40	.34	.46	.39	.34	.44	.38	.33	.31
8	.59	.45	.37	.31	.58	.45	.36	.30	.43	.36	.30	.42	.35	.30	.41	.34	.30	.28
9	.55	.42	.33	.28	.54	.41	.33	.27	.40	.32	.27	.39	.32	.27	.37	.31	.27	.25
10	.52	.38	.30	.25	.50	.38	.30	.24	.37	.30	.25	.36	.29	.25	.35	.29	.24	.23

Candela Table - Type C																	
	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	3835	3835	3835	3835	3835	3835	3835	3835	3835	3835	3835	3835	3835	3835	3835	3835	3835
1	3865	3861	3857	3842	3832	3821	3818	3815	3796	3797	3804	3819	3831	3846	3860	3870	3865
2	3882	3871	3855	3835	3825	3819	3810	3803	3772	3767	3778	3811	3841	3866	3883	3895	3882
3	3898	3873	3845	3822	3811	3809	3813	3799	3767	3746	3761	3804	3845	3870	3887	3909	3898
4	3912	3859	3824	3804	3806	3805	3811	3799	3768	3756	3761	3796	3831	3859	3876	3922	3912
5	3925	3853	3791	3785	3815	3805	3795	3787	3756	3763	3770	3785	3807	3831	3857	3928	3925
6	3932	3849	3766	3769	3830	3805	3784	3771	3745	3770	3770	3777	3782	3795	3834	3923	3932
7	3941	3837	3729	3748	3836	3808	3777	3762	3742	3770	3770	3779	3766	3756	3794	3918	3941
8	3947	3831	3704	3737	3827	3804	3772	3761	3761	3773	3761	3780	3772	3718	3751	3906	3947
9	3942	3824	3694	3741	3816	3792	3765	3763	3799	3784	3758	3778	3783	3685	3716	3886	3942
10	3921	3828	3684	3750	3818	3781	3746	3762	3841	3786	3748	3775	3785	3667	3701	3882	3921
11	3876	3821	3686	3761	3832	3775	3739	3761	3866	3782	3745	3758	3780	3656	3688	3876	3876
12	3799	3796	3707	3787	3849	3781	3729	3742	3872	3769	3739	3737	3777	3668	3689	3840	3799
13	3715	3766	3749	3835	3841	3785	3722	3709	3872	3740	3730	3726	3780	3689	3703	3785	3715
14	3635	3725	3784	3874	3804	3767	3720	3664	3855	3705	3712	3715	3784	3727	3723	3728	3635
15	3583	3666	3801	3898	3750	3726	3747	3636	3823	3674	3692	3693	3763	3761	3728	3660	3583
16	3560	3614	3789	3860	3698	3675	3782	3629	3795	3635	3689	3652	3716	3792	3710	3594	3560
17	3552	3596	3769	3789	3660	3628	3812	3637	3773	3618	3710	3598	3669	3789	3693	3559	3552
18	3535	3586	3726	3731	3632	3605	3825	3640	3749	3618	3719	3558	3631	3760	3670	3542	3535
19	3526	3583	3655	3663	3597	3600	3839	3644	3743	3615	3719	3541	3606	3714	3630	3542	3526
20	3546	3575	3573	3613	3576	3595	3810	3657	3719	3612	3719	3539	3582	3665	3574	3534	3546
21	3577	3564	3513	3579	3565	3584	3759	3653	3660	3618	3712	3536	3549	3616	3523	3524	3577
22	3594	3548	3472	3547	3560	3568	3684	3627	3604	3612	3690	3526	3517	3573	3469	3515	3594
23	3593	3530	3441	3523	3548	3557	3602	3597	3536	3601	3641	3512	3500	3536	3417	3483	3593
24	3584	3506	3404	3512	3537	3531	3537	3545	3484	3556	3591	3494	3504	3495	3376	3436	3584
25	3568	3483	3388	3507	3541	3500	3498	3492	3433	3498	3537	3475	3496	3480	3351	3395	3568
26	3558	3470	3381	3509	3560	3485	3471	3472	3404	3456	3484	3451	3482	3474	3340	3365	3558
27	3545	3462	3366	3514	3568	3504	3442	3465	3373	3419	3438	3435	3471	3457	3332	3347	3545
28	3522	3475	3342	3526	3512	3544	3415	3448	3371	3385	3393	3424	3464	3433	3318	3344	3522
29	3495	3490	3322	3510	3426	3555	3393	3415	3387	3355	3346	3427	3428	3401	3279	3362	3495
30	3451	3486	3293	3433	3353	3509	3359	3392	3389	3339	3316	3418	3361	3369	3239	3396	3451
31	3375	3484	3261	3332	3307	3429	3311	3374	3382	3317	3274	3372	3307	3297	3192	3421	3375
32	3285	3451	3234	3263	3260	3338	3277	3361	3362	3302	3240	3317	3255	3205	3149	3408	3285
33	3226	3366	3229	3216	3221	3246	3252	3347	3337	3297	3208	3265	3209	3134	3126	3355	3226
34	3196	3248	3261	3174	3195	3151	3236	3326	3297	3277	3178	3193	3154	3083	3121	3262	3196
35	3174	3176	3282	3120	3166	3076	3209	3305	3257	3266	3158	3111	3117	3038	3130	3202	3174
36	3161	3117	3277	3082	3147	3042	3163	3240	3231	3243	3134	3033	3101	2998	3154	3143	3161
37	3144	3074	3216	3037	3169	3043	3117	3185	3195	3191	3087	2984	3084	2965	3165	3092	3144
38	3099	3032	3144	2997	3150	3064	3068	3142	3106	3134	3042	2973	3064	2941	3143	3039	3099
39	3040	3014	3077	2999	3069	3122	3020	3099	3034	3075	3010	2989	3045	2923	3081	3006	3040
40	2994	2984	3020	2991	2998	3121	2965	3014	2963	2976	2970	3009	2991	2894	2987	2986	2994
41	2969	2918	2945	2912	2935	3041	2882	2952	2917	2907	2911	3006	2924	2885	2880	2956	2969
42	2955	2853	2881	2831	2875	2968	2796	2873	2886	2844	2828	2941	2869	2832	2814	2902	2955
43	2930	2791	2828	2780	2829	2901	2737	2838	2882	2811	2739	2864	2804	2764	2753	2836	2930
44	2813	2745	2788	2718	2806	2826	2725	2814	2873	2778	2691	2790	2744	2715	2725	2763	2813
45	2724	2729	2749	2665	2772	2770	2724	2758	2843	2750	2678	2722	2710	2665	2690	2722	2724
46	2662	2690	2730	2645	2730	2729	2734	2676	2813	2679	2697	2666	2673	2597	2646	2647	2662

47	2616	2626	2710	2625	2672	2678	2716	2588	2765	2590	2678	2609	2648	2543	2581	2571	2616
48	2578	2556	2650	2592	2604	2626	2635	2560	2682	2523	2599	2561	2594	2496	2544	2511	2578
49	2540	2503	2553	2558	2534	2557	2522	2567	2525	2498	2517	2517	2518	2482	2533	2469	2540
50	2482	2453	2454	2498	2457	2467	2422	2540	2430	2502	2425	2435	2444	2464	2476	2423	2482
51	2427	2423	2376	2410	2401	2392	2366	2448	2358	2433	2351	2354	2370	2401	2387	2353	2427
52	2383	2388	2295	2310	2363	2335	2330	2365	2334	2349	2299	2293	2318	2300	2304	2294	2383
53	2284	2329	2250	2244	2326	2274	2268	2306	2335	2275	2241	2236	2284	2216	2224	2267	2284
54	2203	2251	2199	2206	2268	2230	2191	2258	2311	2219	2157	2201	2232	2168	2137	2226	2203
55	2141	2155	2149	2177	2181	2172	2156	2195	2264	2171	2083	2140	2150	2135	2083	2142	2141
56	2078	2048	2078	2132	2094	2116	2150	2143	2184	2122	2073	2076	2072	2082	2043	2051	2078
57	2029	1976	1994	2061	2036	2049	2089	2081	2053	2068	2060	2020	2000	1990	1984	1966	2029
58	1963	1924	1939	1993	1982	1944	1964	2002	1957	1978	1944	1935	1948	1918	1920	1917	1963
59	1913	1870	1862	1912	1909	1862	1862	1895	1889	1866	1834	1830	1892	1857	1852	1882	1913
60	1807	1802	1793	1849	1828	1829	1802	1811	1863	1795	1764	1780	1815	1797	1776	1800	1807
61	1724	1749	1731	1768	1758	1798	1738	1757	1827	1750	1717	1758	1734	1720	1710	1712	1724
62	1669	1687	1685	1699	1714	1700	1683	1696	1742	1677	1664	1671	1682	1652	1645	1644	1669
63	1607	1619	1576	1622	1631	1631	1645	1645	1634	1623	1618	1601	1615	1574	1562	1586	1607
64	1543	1551	1513	1568	1553	1575	1579	1577	1577	1569	1553	1541	1539	1525	1483	1521	1543
65	1446	1491	1446	1492	1496	1489	1493	1497	1534	1479	1464	1459	1478	1464	1433	1471	1446
66	1406	1420	1408	1400	1428	1413	1409	1437	1461	1427	1394	1391	1426	1366	1372	1388	1406
67	1345	1336	1347	1357	1339	1355	1340	1373	1363	1360	1322	1324	1335	1308	1298	1306	1345
68	1271	1261	1261	1291	1284	1275	1265	1291	1316	1280	1261	1257	1281	1242	1222	1234	1271
69	1198	1197	1193	1215	1204	1205	1198	1218	1252	1211	1193	1198	1206	1168	1167	1177	1198
70	1143	1132	1130	1143	1152	1165	1136	1162	1164	1158	1124	1140	1145	1115	1116	1114	1143
71	1071	1074	1071	1079	1082	1084	1071	1098	1115	1086	1068	1073	1074	1056	1039	1062	1071
72	1015	1015	1000	1022	1016	1027	1023	1036	1037	1023	1004	1004	1019	992	981	994	1015
73	950	952	938	969	952	974	951	978	980	966	936	939	954	933	926	925	950
74	885	880	884	908	887	901	893	915	918	908	887	886	887	875	865	869	885
75	827	828	829	847	826	847	842	856	854	847	831	831	826	813	800	814	827
76	769	773	770	785	765	788	787	805	797	786	778	772	766	756	742	754	769
77	711	712	728	733	712	733	739	754	743	740	725	721	711	702	703	706	711
78	658	663	671	677	657	683	683	691	691	685	669	661	652	648	648	647	658
79	604	611	626	629	607	626	635	646	633	637	619	612	599	595	603	601	604
80	549	566	573	572	554	579	588	598	582	586	576	562	546	547	552	550	549
81	507	521	525	525	502	532	545	553	540	543	532	514	490	499	505	510	507
82	455	477	478	479	456	485	499	512	496	504	483	467	439	452	461	465	455
83	402	436	439	434	407	439	456	468	443	461	445	421	396	410	419	418	402
84	355	389	396	391	366	398	421	423	400	413	408	383	358	369	382	382	355
85	312	345	362	355	323	357	375	380	345	373	368	345	310	335	348	342	312
86	263	302	315	321	284	326	343	337	304	334	330	303	274	290	308	297	263
87	223	262	282	283	247	284	301	295	261	288	290	270	237	260	273	262	223
88	192	228	249	243	206	246	265	259	223	255	257	239	205	228	238	224	192
89	163	193	219	208	162	203	229	224	192	218	225	210	175	197	210	192	163
90	133	163	192	175	133	171	197	190	157	187	197	173	138	162	182	162	133
91	118	136	162	142	96	140	168	158	135	154	168	145	116	140	156	133	118
92	95	111	136	123	68	109	147	134	108	126	138	120	87	116	135	111	95
93	80	88	115	96	53	86	113	101	81	102	114	95	68	99	109	83	80
94	58	67	90	75	31	54	95	75	59	76	89	73	45	75	92	58	58
95	37	40	77	61	10	38	71	52	43	47	71	45	27	48	74	39	37

96	23	23	66	48	13	33	58	29	26	30	54	37	13	41	58	24	23
97	20	20	57	48	7	32	46	18	20	17	47	28	16	42	45	22	20
98	25	21	49	43	11	29	44	19	17	24	42	29	16	26	40	20	25
99	17	19	37	42	14	29	38	20	20	21	32	24	12	38	35	15	17
100	20	22	26	43	18	30	29	15	17	19	27	29	21	34	27	13	20
101	23	22	24	45	22	31	21	21	17	23	26	33	18	34	21	19	23
102	23	18	24	31	20	28	18	19	19	21	21	32	23	30	22	18	23
103	23	20	26	33	14	23	17	16	17	20	19	30	20	25	19	23	23
104	22	16	20	22	17	18	17	17	22	18	15	27	16	18	13	19	22
105	22	19	26	24	12	20	17	18	19	19	20	18	17	15	21	20	22
106	23	19	26	24	14	18	16	16	16	18	22	24	16	22	20	19	23
107	19	17	25	20	11	18	15	16	21	18	20	22	14	15	19	18	19
108	22	16	26	27	9	18	16	19	18	20	22	23	15	18	22	18	22
109	24	21	20	23	11	15	18	18	17	20	17	27	12	18	20	19	24
110	23	19	25	22	12	13	16	18	11	20	20	21	18	13	18	21	23
111	24	21	24	24	11	17	16	20	20	20	22	18	16	17	15	20	24
112	19	17	24	23	12	17	15	22	19	20	21	21	15	17	18	20	19
113	21	21	22	19	11	19	14	21	20	20	17	23	15	18	19	10	21
114	21	19	24	22	10	17	16	20	16	23	21	24	14	15	20	18	21
115	22	17	19	24	13	19	13	23	19	22	17	18	14	15	16	21	22
116	25	20	23	23	10	16	16	19	20	18	20	23	15	19	16	12	25
117	18	18	28	21	11	16	15	19	16	20	18	23	12	18	17	22	18
118	22	20	19	22	12	15	16	17	21	22	17	20	15	17	21	20	22
119	22	18	23	25	12	17	17	21	21	22	16	25	15	18	16	21	22
120	22	19	25	27	9	12	17	21	20	19	20	23	15	17	20	19	22
121	22	19	21	24	8	10	18	18	19	21	17	21	17	15	17	22	22
122	23	22	22	27	12	10	18	20	20	21	19	26	16	18	17	20	23
123	22	20	22	24	13	14	15	12	19	22	20	26	12	17	18	15	22
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Luminaire Report Summary

IESNA:LM-63-2002
[TEST] BLC2007037E-A
[TESTLAB] Belling Test Laboratory Co., LTD
[ISSUE DATE] 2020-7-20 09:05
[MANUFAC] SARIN Energy Solutions
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[_VOLTAGE] 120.0 V
[_CURRENT] 0.795 A
[_POWERFACTOR] 0.998
[_THD] 3.83
[_TESTINST] GPM-3000
[_TESTDIST] 14.040 M [K=1.0000]
[_TESTTEMPERATURE] 25.2 'C
[_TESTHUMIDITY]
[_TESTOPERATOR]
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 17
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: STANDARD
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.